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WPI Acc No: 1991-118203/199117

XRAM Acc No: C91-050921

XRPX Acc No: N91-090998

Gas generator - with fast burning coating on surface of
slowly deflagrating propellant solid

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Inventor: SCHAFER R

Number of Countries: 003 Number of Patents: 003

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|------------|------|----------|-------------|------|----------|----------|
| DE 3932576 | A | 19910418 | DE 3932574 | A | 19890929 | 199117 B |
| DE 3932576 | C | 19920305 | | | | 199210 |
| EP 480085 | A | 19920415 | EP 90119388 | A | 19901010 | 199216 |

Priority Applications (No Type Date): DE 3932576 A 19890929; DE 3932574 A 19890929; EP 90119388 A 19901010

Cited Patents: FR 1118847; FR 2316101; FR 2623796; GB 807499; US 4200615

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
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| EP 480085 | A | G | 5 | | |
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Designated States (Regional): DE FR GB

Abstract (Basic): DE 3932576 A

A gas generator for ejecting projectiles or for filling air bags uses a slowly deflagrating solid propellant (1) in the form of a hose or a strand. One or more explosive coatings (2) burn off at high speed and cover one longitudinal surface of the solid propellant (1). One or more gas channels (2) extend all along the charge..

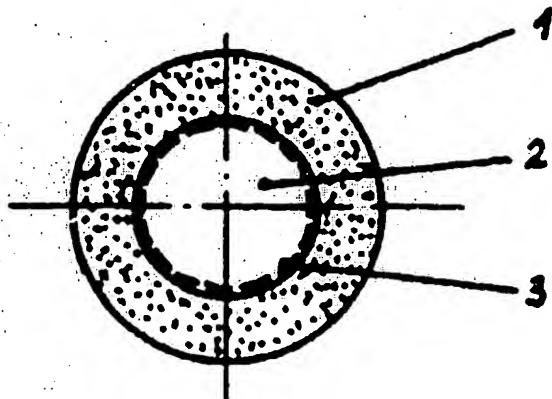
ADVANTAGE - The generator requires much smaller active charges of up to 50 mg/m. Mixts. of perchlorate with metal powder, nitrate or a binder are pref'd.. (4pp Dwg.No.1/2)

Abstract (Equivalent): DE 3932576 C

The gas generator for filling air bags includes a solid propellant which is coated with a quickly burning explosive and one or more gas channels. The solid propellant is in the form of a tube or extrusion, and its length is the same as the length of the channel.

The explosive coating extends over the whole length of the channel so that a shock wave is generated on detonation, which has a high speed.

ADVANTAGE - Gas generator is efficient and reliable and can release large amts. of gas in short time.



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